

OIPE

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RAW SEQUENCE LISTING

DATE: 05/15/2002 P.6

PATENT APPLICATION: US/09/825,242C

TIME: 16:24:44

Input Set : A:\SUB19496-18.APP

Output Set: N:\CRF3\05152002\1825242C.raw

```
3 <110> APPLICANT: Eisenberg, Stephen P.
             Case, Casey C.
     5
             Cox III, George N.
             Jamieson, Andrew
      6
             Rebar, Edward J.
             Sangamo Biosciences, Inc.
    10 <120> TITLE OF INVENTION: Selection of Sites for Targeting by Zinc Finger
             Proteins and Methods of Designing Zinc Finger Proteins
    11
             to Bind to Preselected Sites
    12
    14 <130> FILE REFERENCE: 019496-001810US
    16 <140> CURRENT APPLICATION NUMBER: US 09/825,242C
     17 <141> CURRENT FILING DATE: 2001-04-02
     19 <160> NUMBER OF SEQ ID NOS: 97
     21 <170> SOFTWARE: PatentIn Ver. 2.1
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59 <213> ORGANISM: Artificial Sequence





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202 Met Glu Lys Leu Arg Asn Gly Ser Gly Asp Pro Gly Lys Lys Gln 205 His Ala Cys Pro Glu Cys Gly Lys Ser Phe Ser Lys Ser Ser His Leu 25 208 Arg Ala His Gln Arg Thr His Thr Gly Glu Arg Pro Tyr Lys Cys Pro 211 Glu Cys Gly Lys Ser Phe Ser Arg Ser Asp Glu Leu Gln Arg His Gln 50 55 214 Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Pro Glu Cys Gly Lys 75 217 Ser Phe Ser Arg Ser Asp His Leu Ser Lys His Gln Arg Thr His Gln 218 85 90 220 Asn Lys 223 <210> SEQ ID NO: 11 224 <211> LENGTH: 10 225 <212> TYPE: DNA 226 <213> ORGANISM: Artificial Sequence 228 <220> FEATURE: 229 <223> OTHER INFORMATION: Description of Artificial Sequence:natural Zif268 230 binding site 232 <400> SEQUENCE: 11 10 233 gcgtgggcgc 236 <210> SEQ ID NO: 12 237 <211> LENGTH: 10 238 <212> TYPE: DNA 239 <213> ORGANISM: Artificial Sequence 242 <220> FEATURE: 243 <223> OTHER INFORMATION: Description of Artificial Sequence:target site 244 containing three D-able subsites W--> 246 <221> NAME/KEY: misc_feature 247 <222> LOCATION: (1)...(10) 248 <223> OTHER INFORMATION: n is a, c, g, or t W--> 250 <400> 12 W--> 251 ggntgnggnn 10 254 <210> SEQ ID NO: 13 255 <211> LENGTH: 10 256 <212> TYPE: DNA 257 <213> ORGANISM: Artificial Sequence 259 <220> FEATURE: 260 <223> OTHER INFORMATION: Description of Artificial Sequence:target site 261 with two overlapping D-able subsites W--> 263 <221> NAME/KEY: misc_feature 264 <222> LOCATION: (1)...(10) 265 <223> OTHER INFORMATION: n is a, c, g, or t W--> 267 <400> 13

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Output Set: N:\CRF3\05152002\1825242C.raw

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motif searched by protocol 1

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/15/2002 PATENT APPLICATION: US/09/825,242C TIME: 16:24:45

Input Set : A:\SUB19496-18.APP

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Output Set: N:\CRF3\05152002\I825242C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 1





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Input Set : A:\SUB19496-18.APP

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L:297 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:301~M:258~W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:305 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
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L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
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L:	1242	M:341	W:	(46)	"n"	or	"Xaa"	used,	for	SEQ	ID#:57	after	pos.:0
L:	1265	M:341	W:	(46)	"n"	or	"Xaa"	used,	for	SEQ	ID#:58	after	pos.:0
L:	1288	M:341	W:	(46)	" n "	or	"Xaa"	used,	for	SEQ	ID#:59	after	pos.:0